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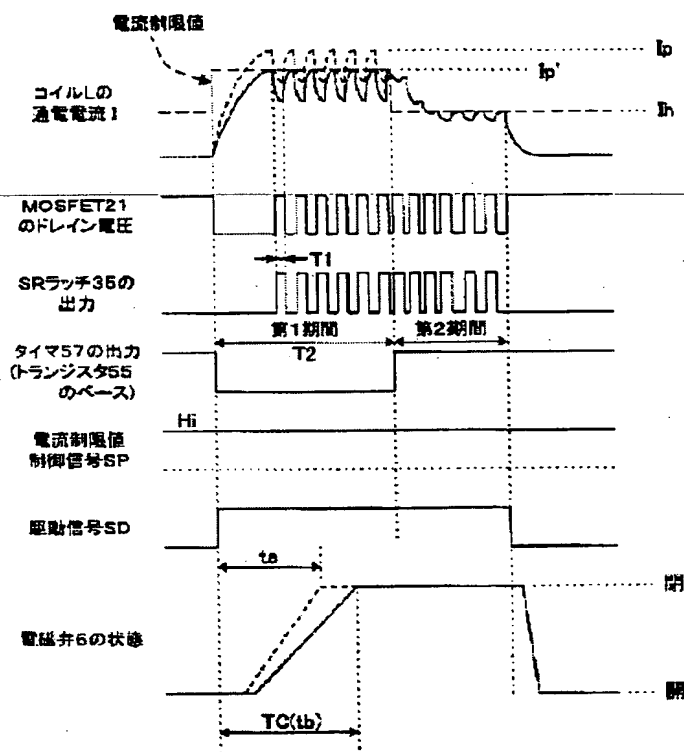
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TITLE : SOLENOID VALVE DRIVING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a solenoid valve driving device capable of preventing operation noise (butting sound) of a solenoid valve and keeping silence in a car room.

SOLUTION: During a first period of a predetermined period T_2 from a starting timing of a conduction period to a solenoid valve coil, the solenoid valve driving device turns on MOSFET for conduction intermittently so as to restrict conduction current I of the coil to a sufficiently large first current limitation value I_p . During a second period after the predetermined period T_2 until the completion of the conduction period, the solenoid valve driving device intermittently turns on the MOSFET so as to restrict the conduction current I of the coil to a second current limitation value I_h lower than the first current limitation value I_p . When it is determined that an engine is in an idling state, the current limitation value during the first period is changed to a third current limitation value $I_{p'}$ lower than the first current limitation value I_p and higher than the second current limitation value I_h .

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